

Amendments to the Claims

Claim 1 (Currently amended): A Method of applying the aluminum alloy coatings on cast iron and steel products comprising product surface preparing and ~~consequent~~ then plunging the product into ~~the~~ an aluminum melt alloyed with zinc and silicon characterized by jet-abrasive preparing of the product and alloying the aluminum melt ~~is alloyed~~ with zinc, silicon, magnesium, and tin ~~ef~~ in following mass percentage:

zinc 7.0-10.0

silicon 3.0-5.0

magnesium 0.5-1.5

tin 0.2-0.5,

while the temperature of the melt is in the range of 660-680°C such that the plunging results in application of the alloy to the product;
said product surface preparing including the jet-abrasive preparing;
whereby said aluminum coatings are applied without flux.